

METHOD AND DEVICE FOR DELIVERING
AEROSOLIZED MEDICAMENTS

ABSTRACT OF THE DISCLOSURE

5 A device for accurately delivering aerosolized doses
of a medicament disperses a measured amount of drug in a
measured volume of carrier gas and transfers the resulting
aerosol to a chamber prior to inhalation by a patient. The
10 chamber is filled efficiently with the aerosol, and inhalation
by the patient draws the aerosol dose into the lungs. This is
followed by the inhalation of atmospheric air that will push
the initial dose well into the lung interiors. The apparatus
optimally includes a dose regulator, a counter, a clock, a dose
15 memory and a signal to indicate when a dose is ready for
inhalation. Optimal chamber designs are disclosed.